

**COLORADO RIVER RECOVERY PROGRAM
FY-2002/2003 PROPOSED SCOPE OF WORK:**

Project No.: 29c

Lead Agency: Utah Division of Wildlife Resources

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Date: April 16, 2001
Revised Date: November 26, 2001

<u>Category:</u>	<u>Expected Funding Source:</u>
<input checked="" type="checkbox"/> Ongoing project	<input checked="" type="checkbox"/> Annual funds
<input type="checkbox"/> Ongoing-revised project	<input type="checkbox"/> Capital funds
<input type="checkbox"/> Requested new project	<input type="checkbox"/> Other (explain)
<input type="checkbox"/> Unsolicited proposal	

I. Title of Proposal: **Wahweap State Fish Hatchery Operation and Maintenance.**

II. Relationship to RIPRAP:

General Recovery Program Support Action Plan:

IV. Manage genetic integrity and augment or restore populations.

IV.A. Genetics management.

IV.A.4 Secure and manage genetic stocks in refugia.

IV.A.4.a Razorback sucker.

IV.A.4.a.(1) Middle Green River.

IV.A.4.b Bonytail.

IV.C. Operate and maintain facilities.

IV.C.3. Wahweap.

Green River Action Plan: Mainstem

IV.A. Augment or restore populations or needed and as guided by the Genetics Management Plan.

IV.A.1. Develop augmentation plan for the four endangered fishes in the Green River.

IV.A.1.c. Implement plan.

Colorado River Action Plan: Mainstem

IV.A. Augment or restore populations or needed and as guided by the Genetics Management Plan.

- IV.A.3. Develop augmentation plan for the four endangered fishes in the Colorado River in Utah.
- IV.A.3.c. Implement plan.

III. Background/Rationale and Hypotheses:

The Wahweap installation has demonstrated the ability to raise bonytail and razorback sucker to a tagable size in one growing season. High temperatures and a longer growing season at Wahweap maximize native fish growth.

IV. Study Goals, Objectives, End Product:

Goal: Contribute to the recovery of endangered fish species in the Upper Colorado River basin by rearing healthy fish for stocking in the basin.

Objectives: Operate a hatchery facility that supports a genetically sound propagation program for high priority endangered fish species for the RIP in the Upper Colorado River Basin in accordance with Annual Propagation Facilities Operation Plan and state stocking plans by holding and rearing endangered fish.

End Products:

- 1) Propagation technology and methodology
- 2) Bonytail for research and stocking
- 3) Maintain backup razorback sucker brood and offspring for the Upper Colorado River Basin RIP.

V. Study area:

Wahweap State Fish Hatchery, Big Water UT.

VI. Study Methods/Approach :

Conduct all tasks associated with the operation and maintenance of propagation facilities for endangered fishes such as pond culture, marking fish, maintaining records of pedigreed family lots, stocking fish, etc. The first priority for Wahweap SFH in the 2002 fiscal year is to raise bonytail for stocking to meet the state stocking plans (stocked 94,490 Bonytail in Colorado and Utah in spring 2001). The second priority is to maintain razorback sucker backup brood stock for the Upper Colorado River Basin.

VII. Task Description and Schedule:

Tasks: Propagate bonytail chub, mark, and stock. Maintain backup razorback sucker brood stock.

Schedule: 12 months

VIII. FY-2002 Work Budget

-Labor/Personal:

Project Leader	\$ 4,000
Project Biologist	\$ 46,450
Biologist	\$ 6,250
Wildlife Tech II	\$ 29,000
Seasonal	<u>\$ 39,770</u>
	\$125,477

-Operational Costs

Utilities	\$ 13,500
Fish food	\$ 4,000
Weed control	\$ 2,000
Maintenance	<u>\$ 15,000</u>
	\$ 34,500

-Travel/Training \$ 5,750

-Vehicle expenses \$ 12,650

- Total \$178,377

FY-2003

-Budget

-Labor/Personnel	\$144,299
-Operational Costs	\$ 39,675
-Travel/Training	\$ 6,613
-Vehicle expenses	<u>\$ 14,548</u>
-Total	\$205,135

IX Budget Summary

FY-2002 \$178,377

FY-2003 \$205,135

FY-2004 \$235,905

X. Reviewers:

Various Utah Department of Natural Resources and Recovery Program staff.

XI. References